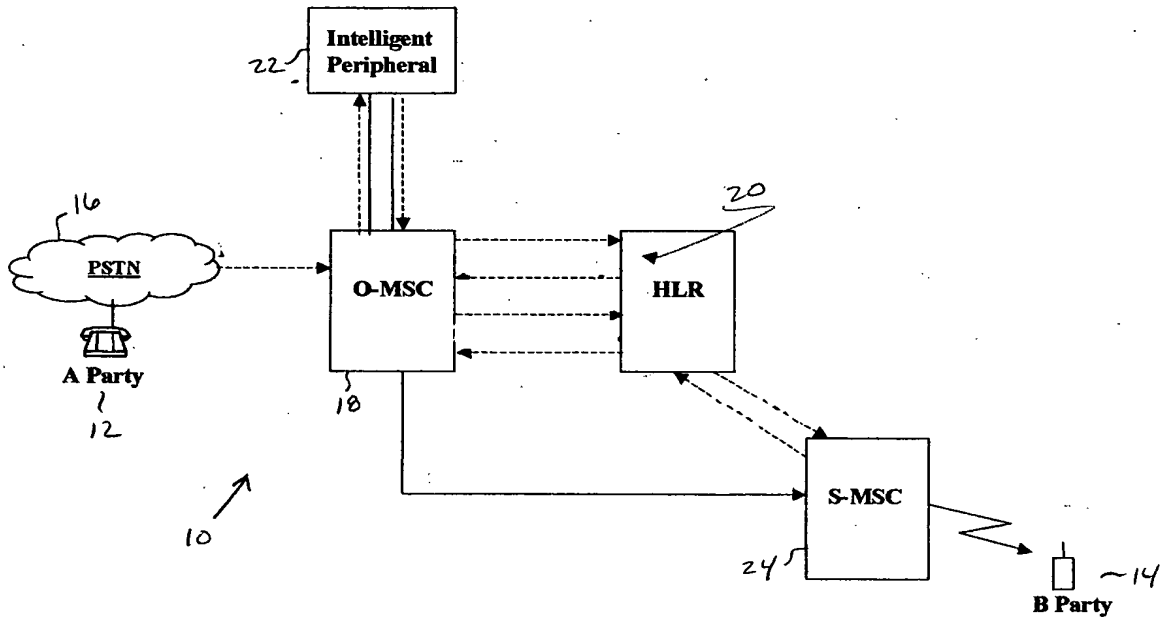
Intelligent Peripheral
22
16
PSTN
A Party
12
O-MSC
18
HLR
20
S-MSC
24
B Party
14
10

FIGURE 1

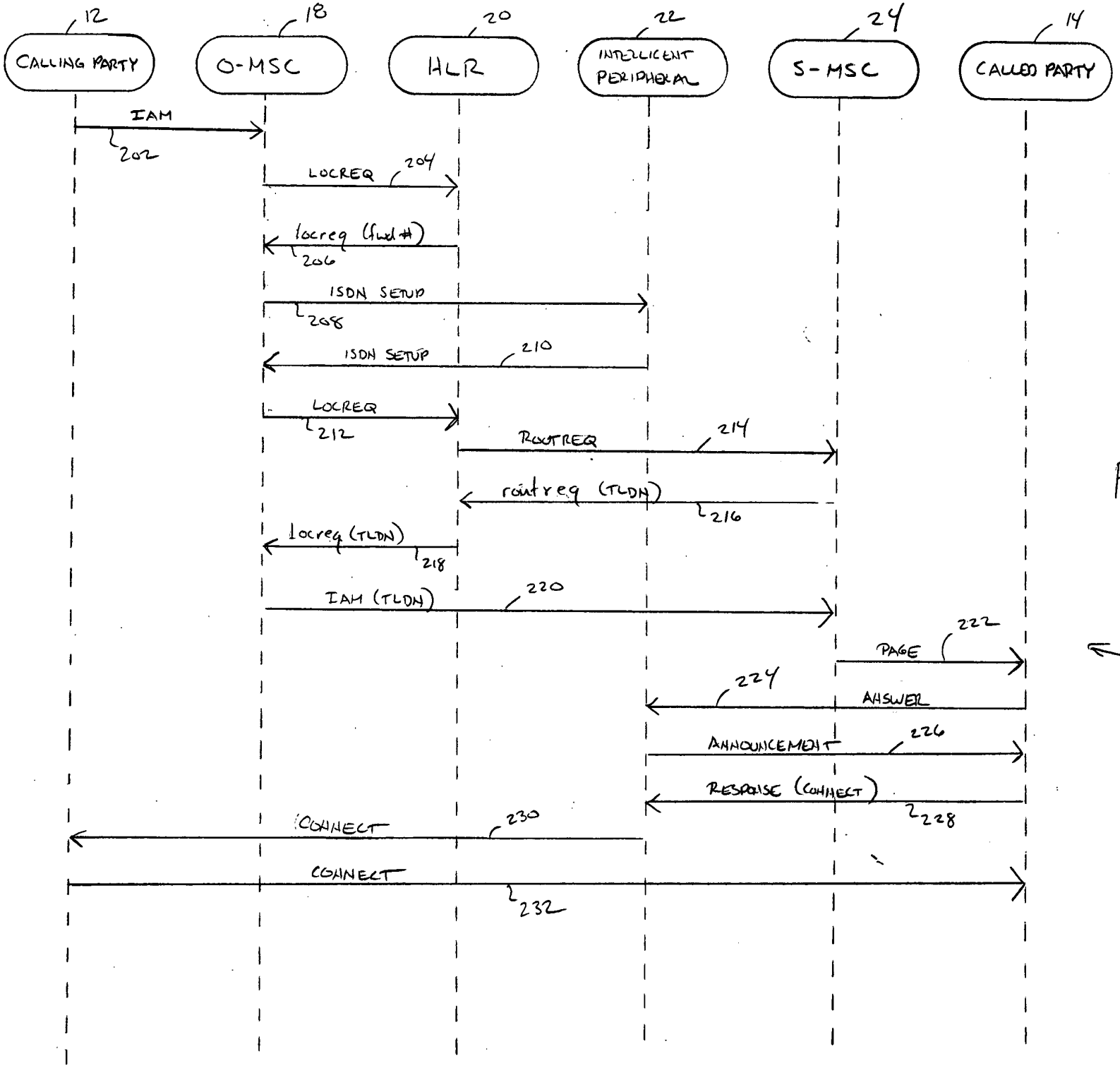
12
CALLING PARTY
18
O-MSC
20
HLR
22
INTELLIGENT PERIPHERAL
24
S-MSC
14
CALLED PARTY
IAM
202
LOCREQ
204
locreq (fwd #)
206
ISDN SETUP
208
ISDN SETUP
210
LOCREQ
212
ROUTREQ
214
routreq (TLDN)
216
locreq (TLDN)
218
IAM (TLDN)
220
PAGE
222
ANSWER
224
ANNOUNCEMENT
226
RESPONSE (CONNECT)
228
CONNECT
230
CONNECT
232
200

FIGURE 2

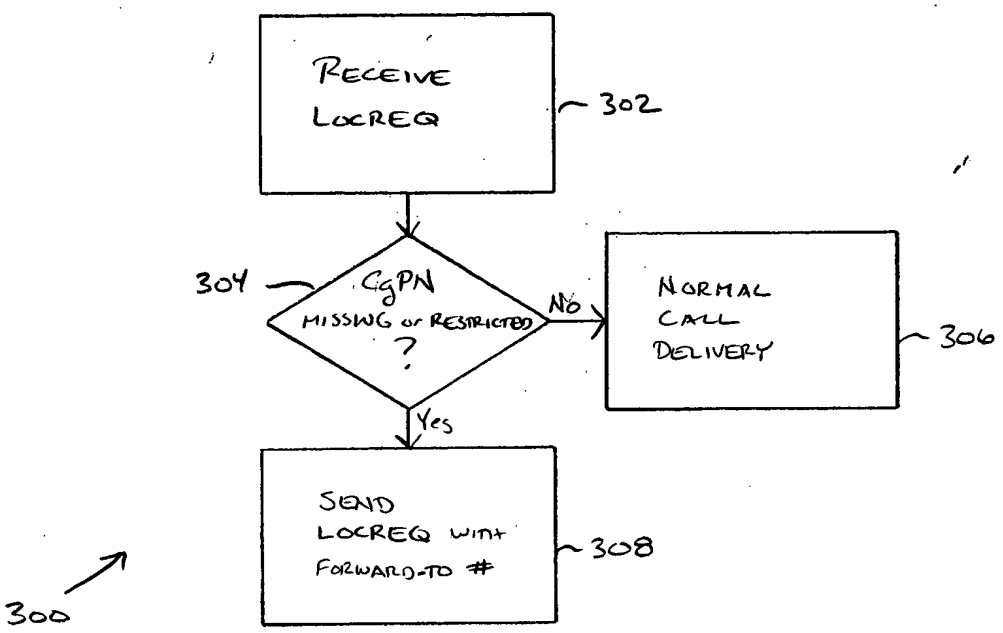
RECEIVE LOCREQ
302
304
CgPN MISSING or RESTRICTED ?
NO
NORMAL CALL DELIVERY
306
Yes
SEND LOCREQ WITH FORWARD-TO #
308
300

FIGURE 3

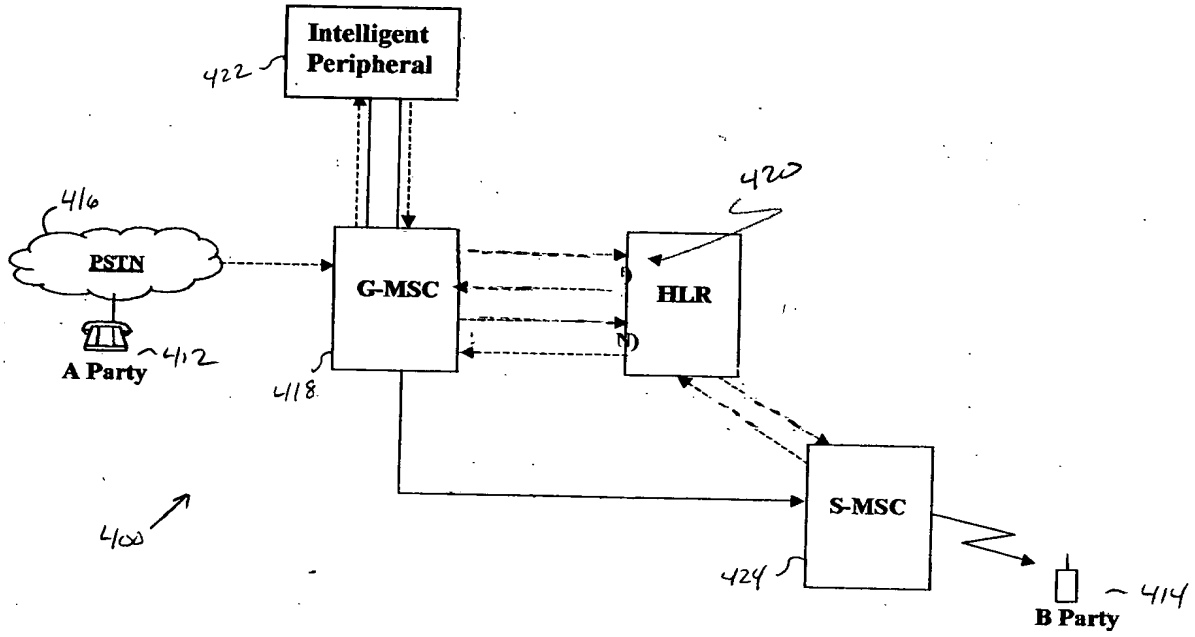
Intelligent Peripheral
422
416
PSTN
A Party
412
G-MSC
418
420
HLR
S-MSC
424
414
B Party
400

FIGURE 4

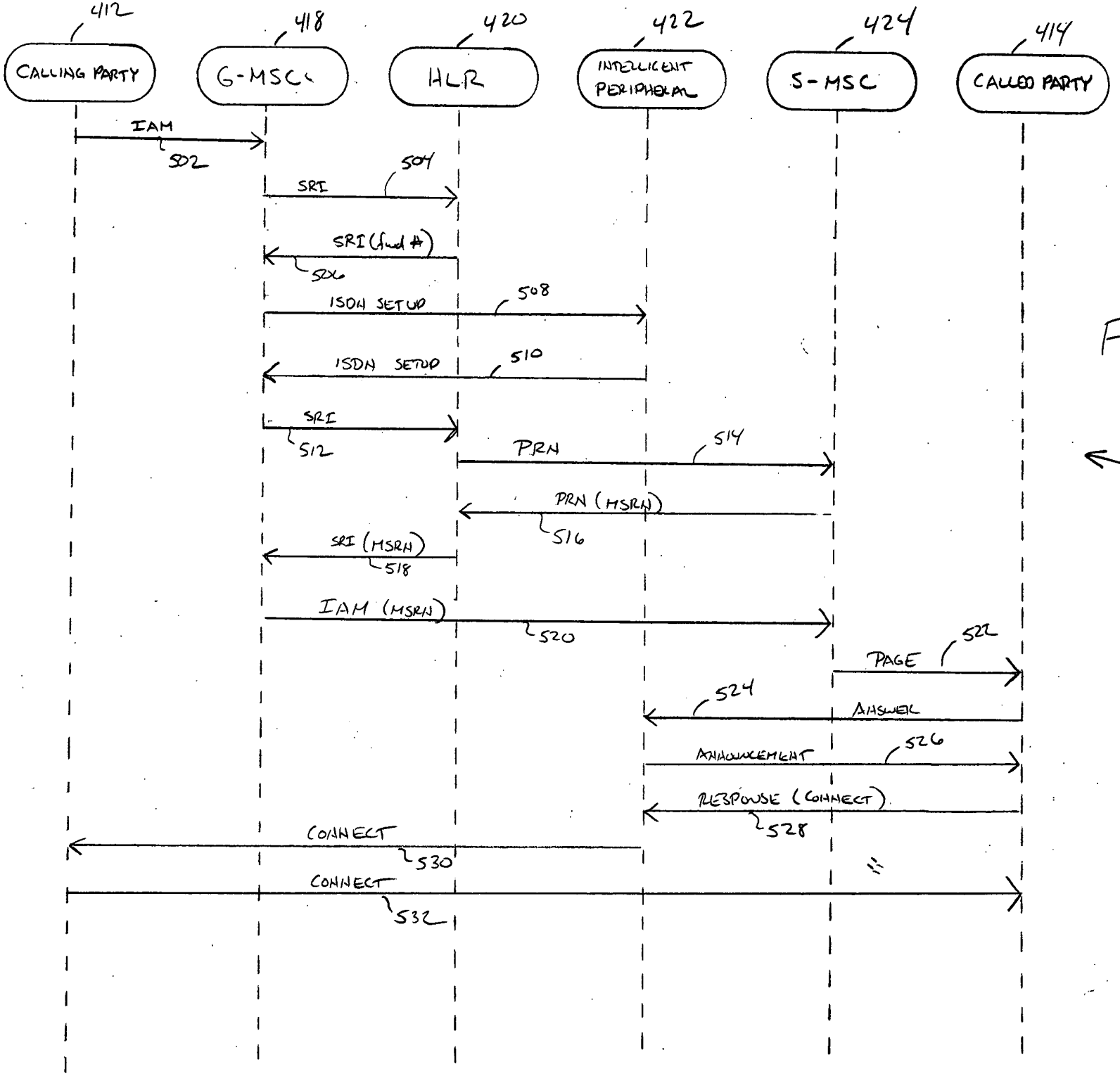
412
418
420
422
424
414
CALLING PARTY
G-MSC
HLR
INTELLIGENT PERIPHERAL
S-MSC
CALLED PARTY
IAM
502
SRI
504
SRI (fwd #)
506
ISDN SETUP
508
ISDN SETUP
510
SRI
512
PRN
514
PRN (MSRN)
516
SRI (MSRN)
518
IAM (MSRN)
520
PAGE
522
524
ANSWER
ANNOUNCEMENT
526
RESPONSE (CONNECT)
528
CONNECT
530
CONNECT
532

FIGURE 5

500

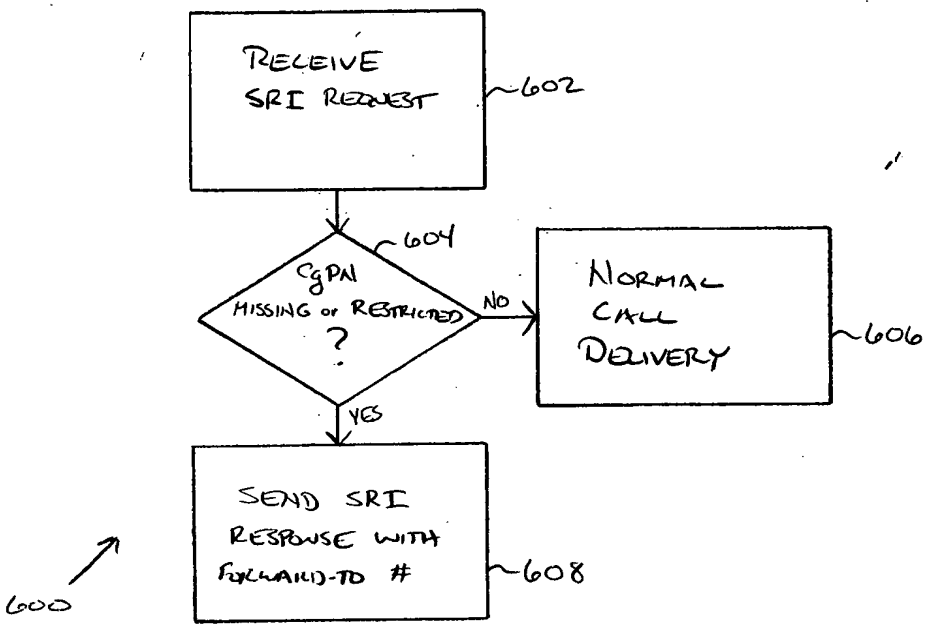
RECEIVE SRI REQUEST
602
604
CgPN MISSING or RESTRICTED ?
NO
NORMAL CALL DELIVERY
606
YES
SEND SRI RESPONSE WITH FORWARD-TO #
608
600

FIGURE 6

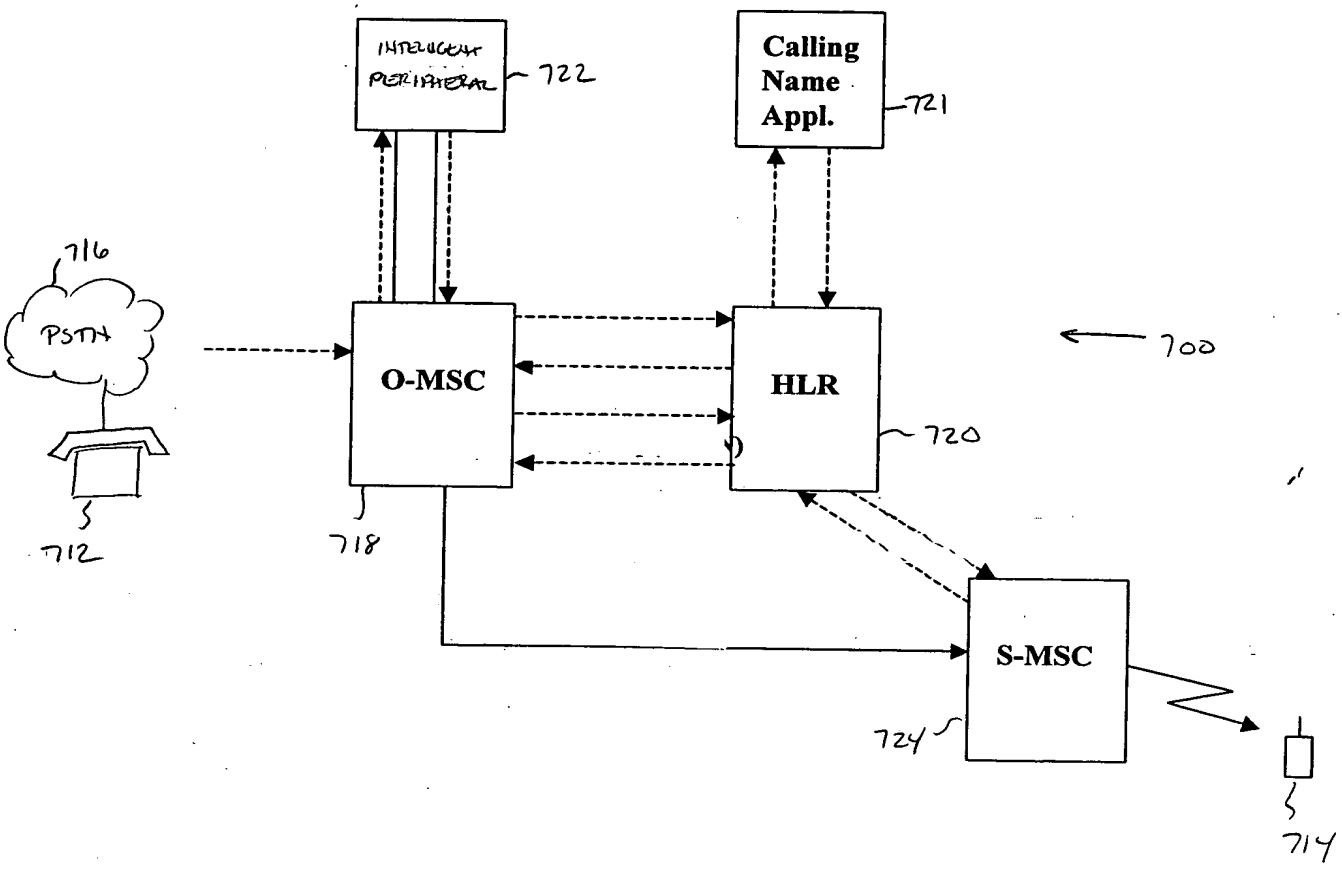
INTELLIGENT PERIPHERAL
722
Calling Name Appl.
721
716
PSTN
712
O-MSC
718
HLR
720
700
S-MSC
724
714

FIGURE 7

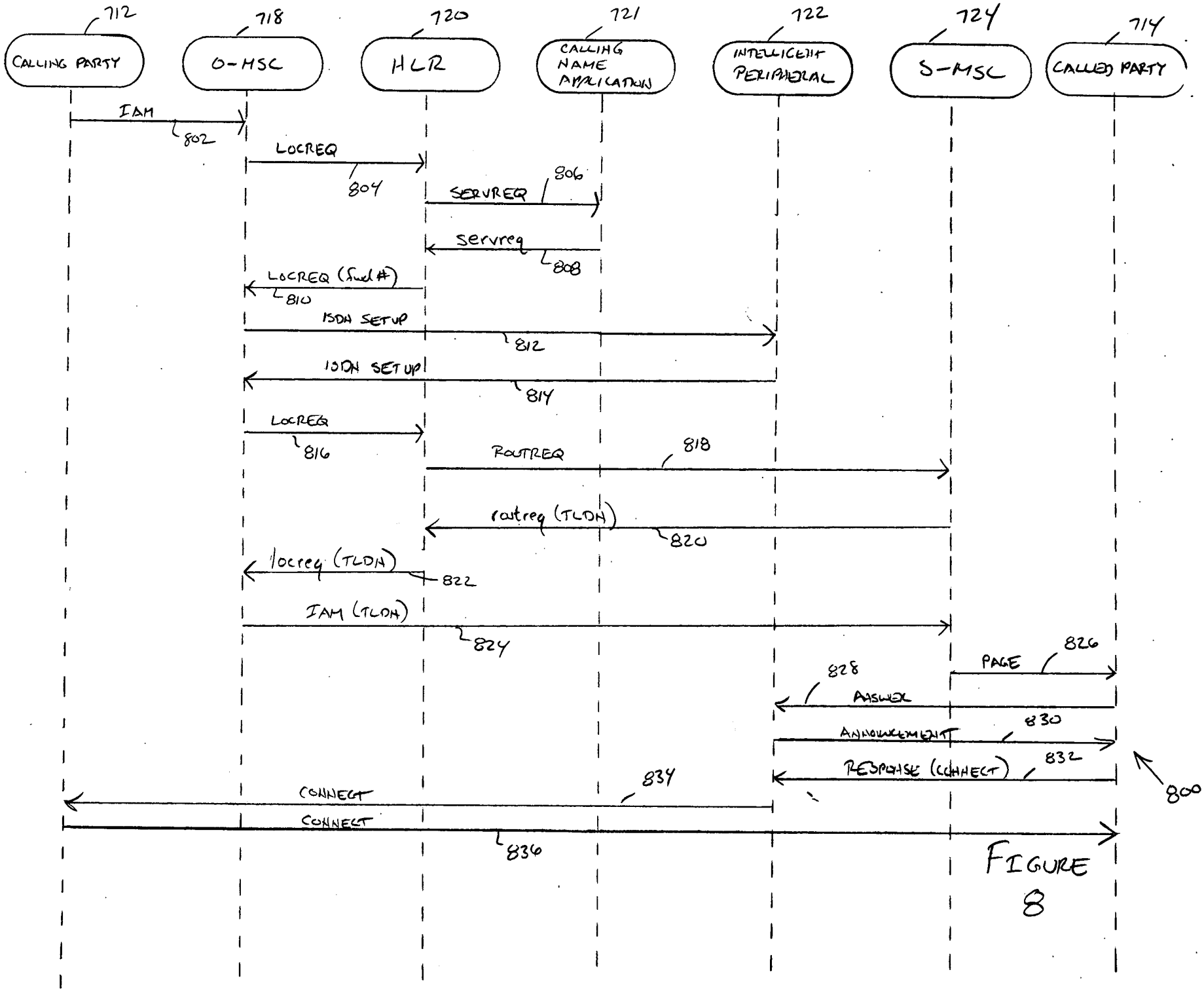
712
CALLING PARTY
718
O-MSC
720
HLR
721
CALLING NAME APPLICATION
722
INTELLIGENT PERIPHERAL
724
S-MSC
714
CALLED PARTY
IAM
802
LOCREQ
804
SERVREQ
806
servreq
808
LOCREQ (Send #)
810
ISDN SETUP
812
ISDN SETUP
814
LOCREQ
816
ROUTREQ
818
routreq (TLDN)
820
locreq (TLDN)
822
IAM (TLDN)
824
PAGE
826
828
ANSWER
ANNOUNCEMENT
830
RESPONSE (CONNECT)
832
800
CONNECT
834
CONNECT
836

FIGURE 8

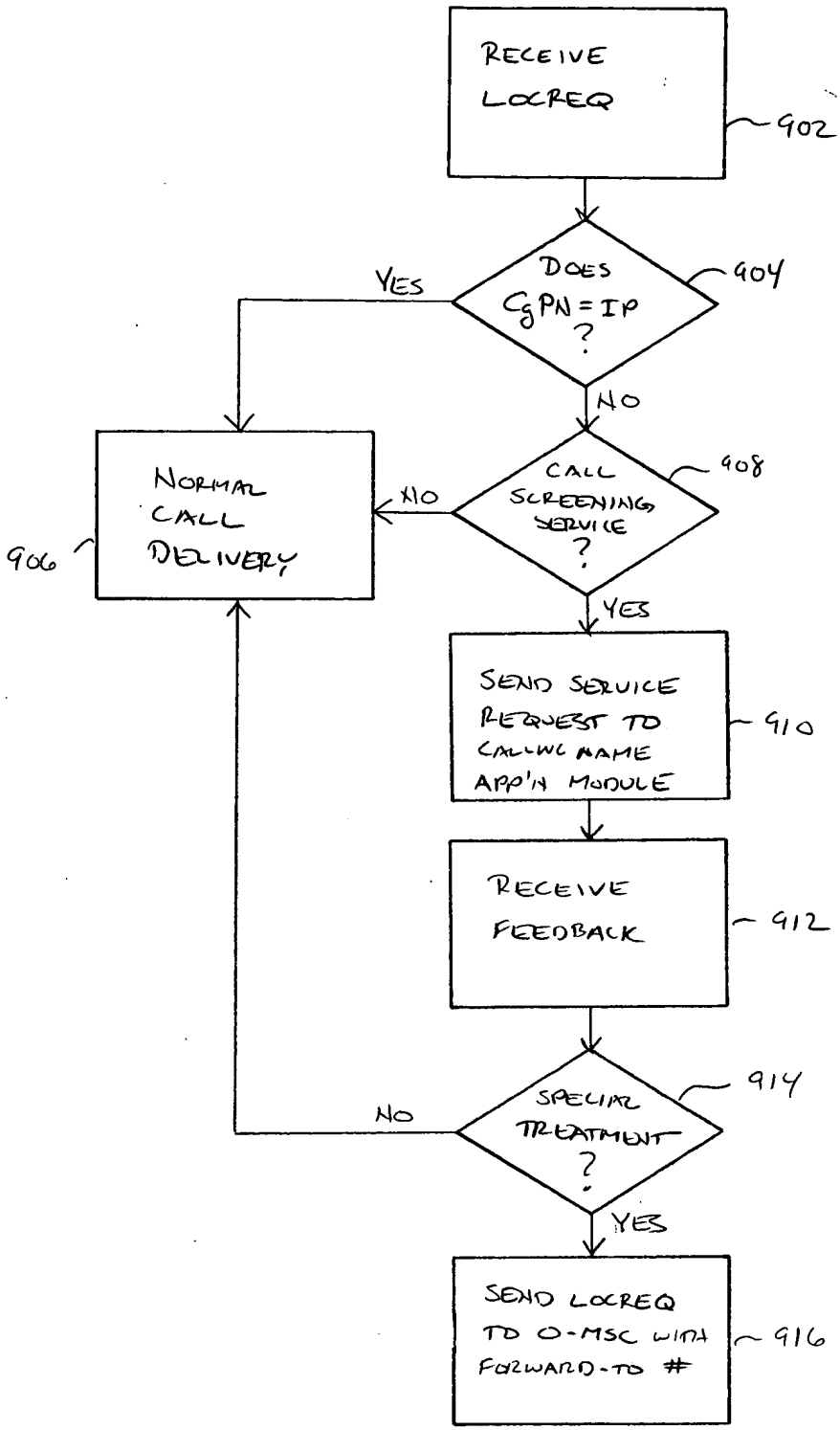
RECEIVE LOCREQ
902
DOES CgPN = IP ?
904
YES
NO
CALL SCREENING SERVICE ?
908
NO
NORMAL CALL DELIVERY
906
YES
SEND SERVICE REQUEST TO CALLING NAME APP'N MODULE
910
RECEIVE FEEDBACK
912
SPECIAL TREATMENT ?
914
NO
YES
SEND LOCREQ TO O-MSC WITH FORWARD-TO #
916

FIGURE 9

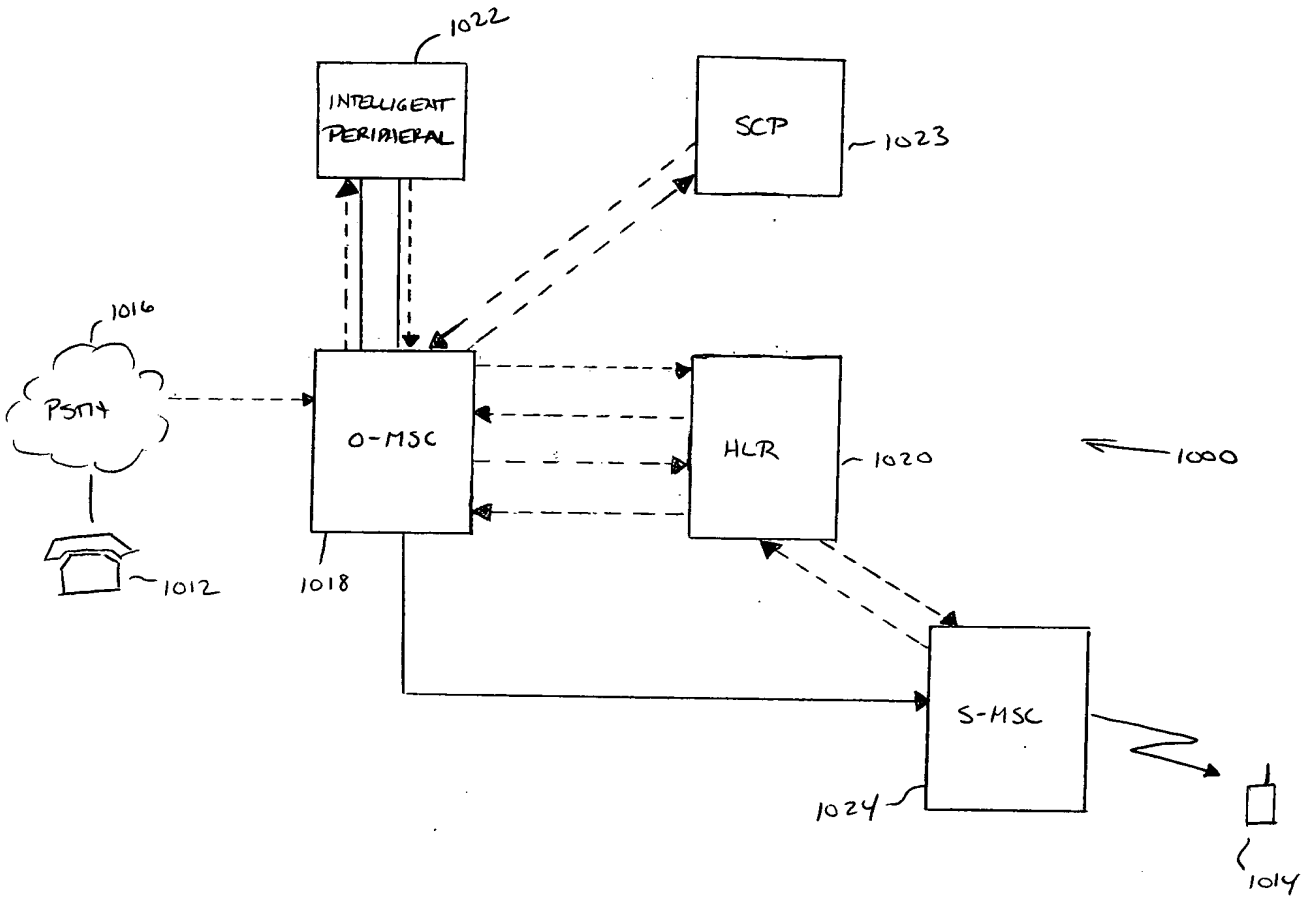
1022
INTELLIGENT PERIPHERAL
SCP
1023
1016
PSTN
O-MSC
HLR
1020
1000
1012
1018
S-MSC
1024
1014

FIGURE 10

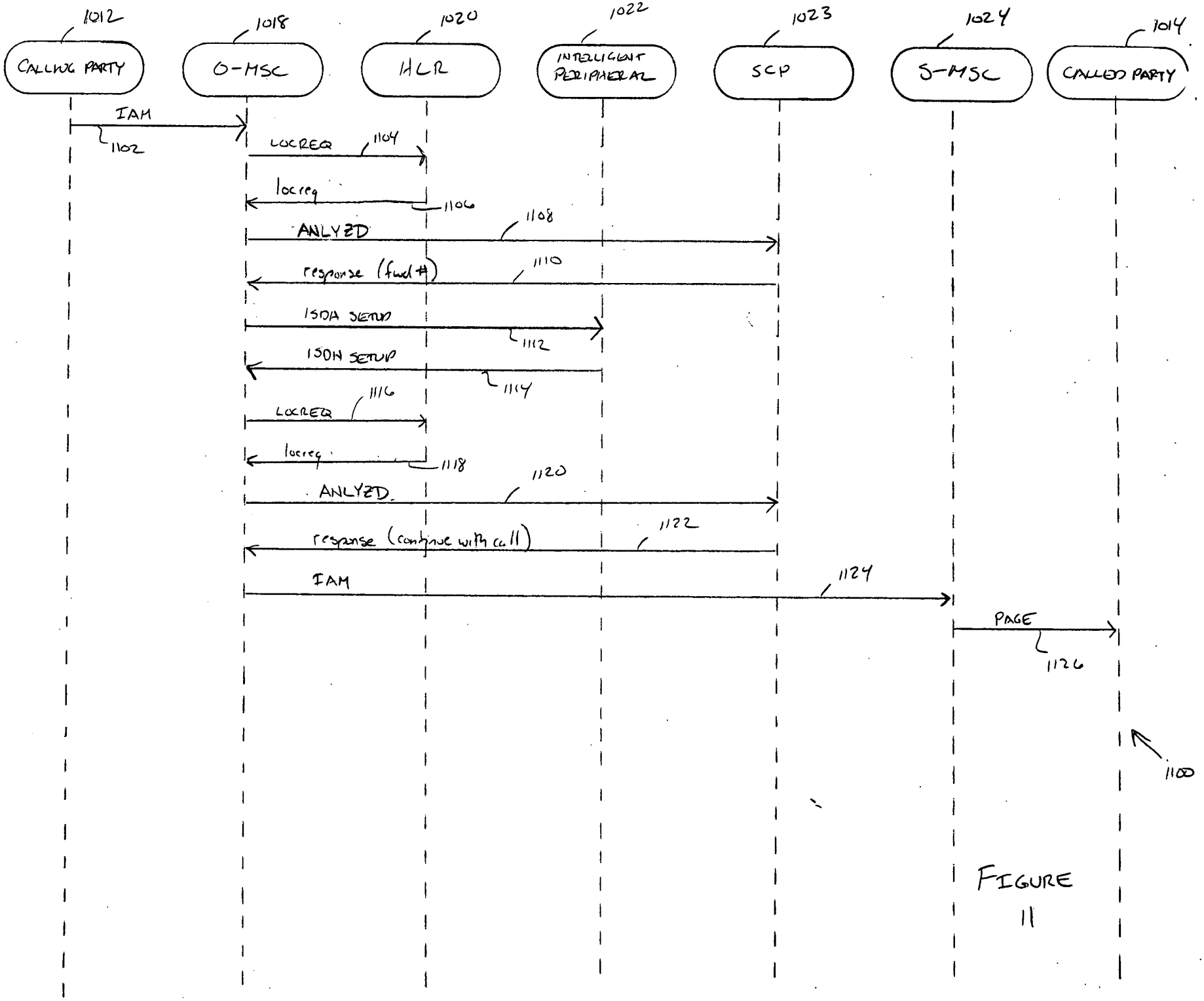
1012
CALLING PARTY
1018
O-MSC
1020
HLR
1022
INTELLIGENT PERIPHERAL
1023
SCP
1024
S-MSC
1014
CALLED PARTY
IAM
1102
LOCREQ
1104
locreq
1106
ANLYZD
1108
response (fwd #)
1110
ISDN SETUP
1112
ISDN SETUP
1114
LOCREQ
1116
locreq
1118
ANLYZD
1120
response (continue with call)
1122
IAM
1124
PAGE
1126
1100

FIGURE 11

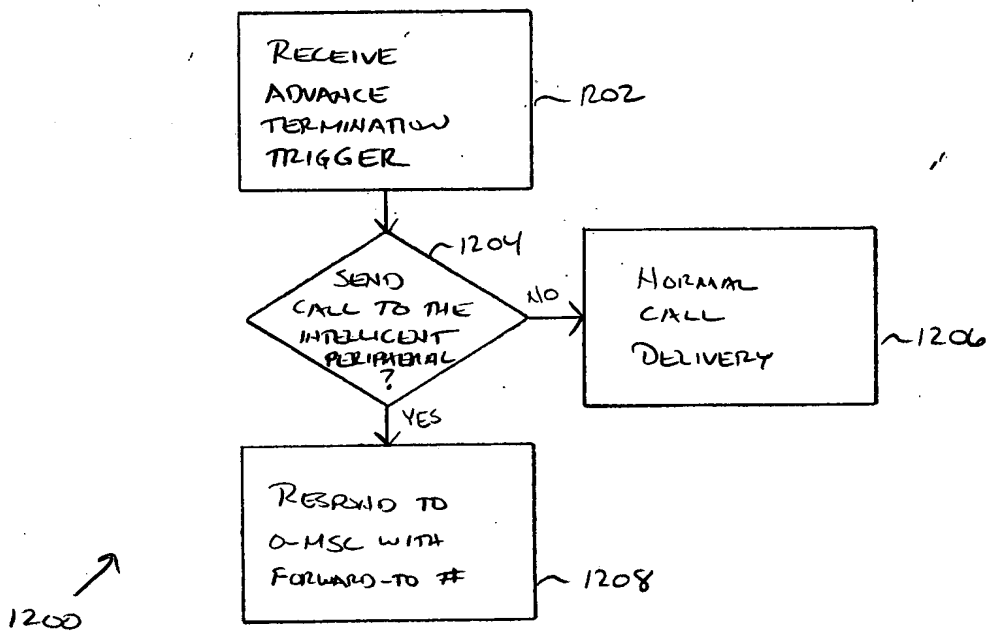
RECEIVE ADVANCE TERMINATION TRIGGER
1202
SEND CALL TO THE INTELLICENT PERIPHERIAL ?
1204
NO
NORMAL CALL DELIVERY
1206
YES
RESEND TO O-MSC WITH FORWARD-TO #
1208
1200

FIGURE 12